

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Previously Presented): A junction block comprising:

an inner cover;  
connector blocks and a power block disposed along outside edges of the inner cover to form a circumferential wall of the junction block and at least partially define a space; and  
busbars and a wiring module disposed being piled up within said space surrounded by the connector blocks and the power block,

wherein terminals of the connector blocks, terminals of the power block and terminals of the busbars are connected to the wiring module.

Claim 2 (Previously Presented): A junction block comprising:

an inner cover;  
connector blocks and a power block disposed outside the inner cover; and  
busbars and a wiring module disposed being piled up within a space surrounded by the connector blocks and the power block, wherein  
terminals of the connector blocks, terminals of the power block and terminals of the busbars are connected to the wiring module, and

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

the wiring module consists of a random wiring module and a cross wiring module.

Claim 3 (Original): The junction block according to claim 2, wherein the terminals are connected to ends of the wiring modules and part of the terminals of the busbars are connected to a middle part of the random wiring module situated as a lower layer in the space.

Claim 4 (Previously Presented): A junction block comprising:  
an inner cover;  
connector blocks and a power block disposed outside the inner cover; and  
busbars and a wiring module disposed being piled up within a space surrounded by the connector blocks and the power block, wherein  
terminals of the connector blocks, terminals of the power block and terminals of the busbars are connected to the wiring module, and  
the terminals of the connector blocks and/or the terminals of the power block are arranged in a plurality of steps, wherein the terminals arranged in a lower step are connected to a narrow lower wiring module while the terminals arranged in an upper step are connected to a wide upper wiring module.

Claim 5 (Previously Presented): The junction block as claimed in claim 1, wherein the terminals

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

of the connector blocks and/or the terminals of the power block and/or the terminals of the busbars are pressure welding terminals.

Claim 6 (Previously Presented): A junction block comprising:

an inner cover;

connector blocks and a power block disposed outside the inner cover; and

busbars and a wiring module disposed being piled up within a space surrounded by the connector blocks and the power block, wherein

terminals of the connector blocks, terminals of the power block and terminals of the busbars

are connected to the wiring module, and

the power block includes fuses outside and a relay inside.

Claim 7 (Previously Presented): The junction block as claimed in claim 1, wherein an electronic unit is mounted on the back of the inner cover and connected to terminals arranged on the back of the busbars.

Claim 8 (Previously Presented): The junction block as claimed in claim 1, wherein the inner cover, the connector blocks and the power block are slidingly combined.

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

Claim 9 (Original): A junction block comprising:

an inner cover; and

a power block and connector blocks combined with the inner cover, wherein components such as circuit boards are disposed and connected within a space surrounded by the power block and the connector blocks, wherein the power block and the connector blocks form the outside of the junction block.

Claim 10 (Original): The junction block according to claim 9, wherein the combination of the power block and the connector blocks with the inner cover is carried out by engaging a slide-engaging part with a guide part in a direction crossing the inner cover at right angles.

Claim 11 (Previously Presented): A junction block comprising:

an inner cover; and

a power block and connector blocks combined with the inner cover, wherein components such as circuit boards are disposed and connected within a space surrounded by the power block and the connector blocks,

the power block and the connector blocks form the outside of the junction block,

the combination of the power block and the connector blocks with the inner cover is carried out by engaging a slide-engaging part with a guide part in a direction crossing the inner cover at right angles, and

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

one of the connector blocks is combined with the inner cover, while the other connector block is combined with the power block.

Claim 12 (Previously Presented): The junction block as claimed in claim 9, wherein the slide-engaging part of the connector block or the power block enters into a dead space in the power block or the connector block, respectively.

Claim 13 (Original): The junction block according to claim 12, wherein the dead space is within a connector.

Claim 14 (Currently Amended): [[The]] A junction block according to claim 12, wherein comprising:

an inner cover; and

a power block and connector blocks combined with the inner cover, wherein

components such as circuit boards are disposed and connected within a space surrounded by

the power block and the connector blocks,

the power block and the connector blocks form the outside of the junction block;

the slide-engaging part of the connector block or the power block enters into a dead space

in the power block or the connector block, respectively; and

the slide-engaging part that enters into the dead space consists of a rib and an outside wall

U.S. Patent Application Serial No. 10/565,784  
Response to OA dated July 31, 2007

that covers an end and the front of the rib.

Claim 15 (Previously Presented): The junction block as claimed in claim 9, further comprising engaging parts for engaging the power block and the connector blocks with the inner cover and a mount on the inner cover, and such engaging is carried out in the vicinity of ~~a~~ the mount of the inner cover.